

[illegible]

## COORDINATION NOTES

## GENERAL SECURITY CABLING NOTES

SECURITY DEVICE CONDUITS:

THE ELECTRICAL CONTRACTOR (EC) SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL CONDUIT AND BACKBOXES REQUIRED FOR INSTALLING ALL SECURITY DEVICES AND ROUTING THE CONDUIT TO THE REQUIRED DESTINATION.

ELECTRICAL POWER:

THE ELECTRICAL CONTRACTOR SHALL PROVIDE 120 VAC/ 20 AMP CIRCUITS TO SERVICE SECURITY SYSTEM POWER SUPPLIES.

FIRESTOPPING:

THE ELECTRICAL CONTRACTOR (EC) SHALL BE RESPONSIBLE FOR FIRESTOPPING FIREWALL CONDUIT PENETRATION ASSEMBLIES TO OBTAIN A UL RATING. THE SECURITY CONTRACTOR SHALL FIRESTOP ANY CONDUITS AFTER INSTALLATION OF CABLE IS COMPLETE.

DOOR HARDWARE LOCK SET, ELECTRIFIED HINGE, ETC:

THE ELECTRICAL CONTRACTOR (EC) SHALL BE RESPONSIBLE FOR COORDINATING WITH DOOR HARDWARE VENDOR FOR ROUGH-IN AND TERMINATION.

FIRE ALARM:




THE SECURITY CONTRACTOR SHALL COORDINATE WITH THE FIRE ALARM CONTRACTOR TO PROVIDE RELAYED, SUPERVISED CONTACTS FOR INTEGRATION TO ACCESS POWER CONTROLLER FOR AUTOMATIC DOOR RELEASE UPON FIRE CONDITIONS.

COORDINATION:

THE SECURITY CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH THE ELECTRICAL CONTRACTOR FOR SPECIFIC LOCATIONS OF ALL CONDUIT, DEVICE LOCATIONS, POWER OUTLETS REQUIREMENTS, ETC BEING PROVIDED BY THE ELECTRICAL CONTRACTOR FOR THE SECURITY SYSTEM.

THIS LIST IS NOT COMPREHENSIVE. THE SECURITY CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL REQUIREMENTS SHOWN ON THE SECURITY SYSTEM DRAWINGS AND/OR REQUIRED TO PROVIDE A COMPLETE SYSTEM.

- 1) THE CONTRACTOR SHALL COORDINATE THE ROUTING OF CONDUITS AND CABLE TRAYS TO AVOID CONFLICTS WITH OTHER UTILITIES AND OBSTACLES, WHILE MINIMIZING CHANGES IN DIRECTION AND OVERALL CONDUIT LENGTH. ALL CONDUIT SHALL BE RUN OVERHEAD. OBTAIN APPROVAL OF ENGINEER PRIOR TO ANY CHANGES IN ROUTING.
- 2) CONDUITS RUN INDOORS SHALL BE RUN CONCEALED OVERHEAD ABOVE CEILINGS UNLESS LOCATED IN SPACES WITHOUT CEILINGS, IN AN UNFINISHED SPACE SUCH AS EQUIPMENT ROOMS OR IN SPACES SPECIFICALLY INDICATED TO HAVE EXPOSED CONDUIT INSTALLATIONS. INDOOR CONDUIT SHALL BE EMT WITH STEEL FITTINGS. DIE CAST EMT FITTINGS ARE NOT ALLOWABLE. FITTINGS IN EXPOSED INDOOR LOCATIONS SHALL BE STEEL COMPRESSION TYPE. FITTINGS IN CONCEALED INDOOR LOCATIONS SHALL BE STEEL SET SCREW TYPE. SUPPORT EXPOSED CONDUIT AT A MINIMUM OF 4'-0" ON CENTER WITH 2-HOLE HEAVY DUTY GALVANIZED STEEL HARDWARE. DO NOT RUN CONDUITS BELOW SLAB EXCEPT AS SPECIFICALLY INDICATED.
- 3) SUPPORT CONDUIT DIRECTLY FROM BUILDING STRUCTURE USING APPROVED HARDWARE. DO NOT SUPPORT CONDUIT FROM OTHER SYSTEMS COMPONENTS OR SUPPORTS UNLESS SPECIFICALLY APPROVED BY THE ENGINEER. ROUTE ALL CONDUITS AS HIGH AS POSSIBLE. WHERE CONDUIT IS EXPOSED RUN HARD AGAINST WALL OR UNDERSIDE OF ROOF/FLOOR DECK. RUN ALL CONDUITS PARALLEL/PERPENDICULAR AND PLUMB WITH BUILDING LINES.
- 4) CONDUIT BODIES SUCH AS 'LB' FITTINGS ARE NOT ALLOWABLE.
- 5) PROVIDE PULLBOXES AT EVERY 100 FEET ON CENTER AND AT EACH END OF CONDUIT RUNS CONTAINING TWO 90 DEG BENDS (MINIMUM REQUIREMENTS - PROVIDE WHETHER SPECIFICALLY INDICATED OR NOT). CONDUIT RUNS CONTAINING MORE THAN TWO 90 DEG BEND WITHOUT A PULLBOX ARE NOT ALLOWABLE. FACTORY BEND CONDUIT ELBOWS AND ALL OTHER BENDS SHALL HAVE A MINIMUM RADIUS OF SIX TIMES THE INTERNAL CONDUIT DIAMETER.
- 6) PULLBOXES FOR CONDUITS SHALL BE AS REQUIRED PER NEC AND BE A MINIMUM OF 12"x12"x6" FOR MULTIPLE CONDUIT JUNCTIONS. TERMINATE CONDUITS AT OPPOSITE ENDS OF PULLBOXES. DO NOT TERMINATE CONDUITS AT RIGHT ANGLES TO EACH OTHER EXCEPT AS SPECIFICALLY INDICATED.
- 7) WHERE CONDUIT AND PULLBOXES ARE LOCATED ABOVE NON-ACCESSIBLE CEILINGS OR SOFFITS (EXAMPLE PLASTER, METAL, OR GYPSUM BOARD), INSTALL AN 18" x 18" ALL ALUMINUM CEILING ACCESS DOOR IN CEILING DIRECTLY BELOW EACH SUCH PULLBOX. ACCESS DOORS SHALL BE MILCO OR APPROVED EQUAL, ALL ALUMINUM CONSTRUCTION AND FASTENERS. PROVIDE ACCESS DOORS FACTORY PRIMED FOR PAINTING AND FINISH PAINT WITH TWO COATS ENAMEL AFTER INSTALLATION TO MATCH EXISTING CEILING, SOFFIT, OR WALL.
- 8) TERMINATE ALL CONDUIT ENDS IN PULLBOXES LOCATED WITHIN 8'-0" OF FINAL CAMERA LOCATIONS AND IN PULLBOXES AT THE CCTV HEADEND.
- 9) PROVIDE PLASTIC INSULATION BUSHINGS ON EXPOSED CONDUITS ENDS. BUSHINGS MUST FIT TIGHTLY ON CONDUIT CONNECTOR THREADS. INSTALL ALL BUSHINGS PRIOR TO PULLING CABLE.

		<b>CONSULTANTS:</b>				<b>ARCHITECT/ENGINEERS:</b>				<b>SECURITY LEGEND</b>		<div>Drawing Title <b>PANAMA CITY OUTPATIENT CLINIC VA GULF COAST HEALTH CARE</b></div> <div>Location <b>PANAMA CITY, FLORIDA</b></div> <div>Date <b>MARCH 2013</b></div> <div>Checked <b>TAN</b></div> <div>Drawn <b>CEC</b></div>		<div>Project Number <b>520-326</b></div> <div>Building Number <b>-</b></div> <div>Drawing Number <b>TY001</b> Dwg. 1 of 6</div>		<div>Office of Construction and Facilities Management</div> <div> Department of Veterans Affairs</div>	
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